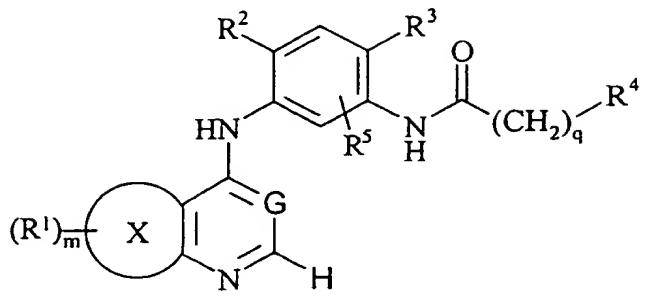
Claims

1. A bicyclic compound of the Formula (I):



(I)

wherein:

G is N, CH or C(CN);

ring X is a 5- or 6-membered fused heteroaryl ring which contains 1, 2 or 3 heteroatoms selected from oxygen, sulphur and nitrogen;

m is 0, 1 or 2;

R^1 is hydroxy, halo, trifluoromethyl, cyano, mercapto, nitro, amino, carboxy, carbamoyl, formyl, sulphamoyl, C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}alkoxy, -O-(C_{1-3}alkyl)-O-, C_{1-6}alkylS(O)$_n$- (wherein n is 0-2), *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino, C_{1-6}alkoxycarbonyl, *N*-C_{1-6}alkylcarbamoyl, *N*,*N*-(C_{1-6}alkyl)$_2$carbamoyl, C_{2-6}alkanoyl, C_{1-6}alkanoyloxy, C_{1-6}alkanoylamino, *N*-C_{1-6}alkylsulphamoyl, *N*,*N*-(C_{1-6}alkyl)$_2$sulphamoyl, C_{1-6}alkylsulphonylamino, C_{1-6}alkylsulphonyl-*N*-(C_{1-6}alkyl)amino,

or R^1 is of the Formula (IA):

$$A-(CH_2)_p-B- \qquad \text{(IA)}$$

wherein A is halo, hydroxy, C_{1-6}alkoxy, C_{1-6}alkylS(O)$_n$- (wherein n is 0-2), cyano, amino, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino, carboxy, C_{1-6}alkoxycarbonyl, carbamoyl, *N*-C_{1-6}alkylcarbamoyl or *N*,*N*-(C_{1-6}alkyl)$_2$carbamoyl, p is 1 - 6, and B is a bond, oxy, imino, *N*-(C_{1-6}alkyl)imino or -C(O)NH-, with the proviso that p is 2 or more unless B is a bond or -C(O)NH-,

or R^1 is of the Formula (IB):

$$D-E- \qquad \text{(IB)}$$

wherein D is aryl, heteroaryl or heterocyclyl and E is a bond, C_{1-6}alkylene, C_{1-6}alkyleneoxy, oxy, imino, *N*-(C_{1-6}alkyl)imino, C_{1-6}alkyleneimino, *N*-(C_{1-6}alkyl)-C_{1-6}alkyleneimino, C_{1-6}alkyleneoxy-C_{1-6}alkylene, C_{1-6}alkyleneimino-C_{1-6}alkylene, *N*-(C_{1-6}alkyl)-C_{1-6}alkyleneimino-C_{1-6}alkylene, -C(O)NH-, -SO_2NH-, -NHSO_2- or C_{2-6}alkanoylimino, and any aryl, heteroaryl or heterocyclyl group in a R^1 group may be optionally substituted with one or more groups selected from hydroxy, halo, C_{1-6}alkyl, C_{1-6}alkoxy, carboxy, C_{1-6}alkoxycarbonyl, carbamoyl, *N*-C_{1-6}alkylcarbamoyl, *N*-(C_{1-6}alkyl)$_2$carbamoyl, C_{2-6}alkanoyl, amino, *N*-C_{1-6}alkylamino and *N*,*N*-(C_{1-6}alkyl)$_2$amino,

and any heterocyclyl group in a R^1 group may be optionally substituted with one or two oxo or thioxo substituents,

and any of the R^1 groups defined hereinbefore which comprises a CH_2 group which is attached to 2 carbon atoms or a CH_3 group which is attached to a carbon atom may optionally bear on each said CH_2 or CH_3 group a substituent selected from hydroxy, amino, C_{1-6}alkoxy, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino and heterocyclyl;

R^2 is hydrogen, halo, C_{1-6}alkyl, C_{2-6}alkenyl or C_{2-6}alkynyl;

R^3 is hydrogen, halo, C_{1-6}alkyl, C_{2-6}alkenyl or C_{2-6}alkynyl;

R^4 is hydrogen, hydroxy, C_{1-6}alkyl, C_{1-6}alkoxy, amino, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino, hydroxyC_{2-6}alkoxy, C_{1-6}alkoxyC_{2-6}alkoxy, aminoC_{2-6}alkoxy, *N*-C_{1-6}alkylaminoC_{2-6}alkoxy, *N*,*N*-(C_{1-6}alkyl)$_2$aminoC_{2-6}alkoxy or C_{3-7}cycloalkyl,

or R^4 is of the Formula (IC):

—K—J (IC)

wherein J is aryl, heteroaryl or heterocyclyl and K is a bond, oxy, imino, *N*-(C_{1-6}alkyl)imino, oxyC_{1-6}alkylene, iminoC_{1-6}alkylene, *N*-(C_{1-6}alkyl)iminoC_{1-6}alkylene, -NHC(O) -, -SO_2NH-, -NHSO_2- or -NHC(O)-C_{1-6}alkylene-,

and any aryl, heteroaryl or heterocyclyl group in a R^4 group may be optionally substituted by one or more groups selected from hydroxy, halo, trifluoromethyl, cyano, mercapto, nitro, amino, carboxy, carbamoyl, formyl, sulphamoyl, C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}alkoxy, -O-(C_{1-3}alkyl)-O-, C_{1-6}alkylS(O)$_n$- (wherein n is 0-2), *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino, C_{1-6}alkoxycarbonyl, *N*-C_{1-6}alkylcarbamoyl, *N*,*N*-(C_{1-6}alkyl)$_2$carbamoyl, C_{2-6}alkanoyl, C_{1-6}alkanoyloxy, C_{1-6}alkanoylamino, *N*-C_{1-6}alkylsulphamoyl, *N*,*N*-(C_{1-6}alkyl)$_2$sulphamoyl, C_{1-6}alkylsulphonylamino and C_{1-6}alkylsulphonyl-*N*-(C_{1-6}alkyl)amino,

or any aryl, heteroaryl or heterocyclyl group in a R^4 group may be optionally substituted with one or more groups of the Formula (IA'):

$$-B^1-(CH_2)_p-A^1 \qquad \text{(IA')}$$

wherein A^1 is halo, hydroxy, C_{1-6}alkoxy, cyano, amino, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino, carboxy, C_{1-6}alkoxycarbonyl, carbamoyl, *N*-C_{1-6}alkylcarbamoyl or *N*,*N*-(C_{1-6}alkyl)$_2$carbamoyl, p is 1 - 6, and B^1 is a bond, oxy, imino, *N*-(C_{1-6}alkyl)imino or -NHC(O)-, with the proviso that p is 2 or more unless B^1 is a bond or -NHC(O)-,

or any aryl, heteroaryl or heterocyclyl group in a R^4 group may be optionally substituted with one or more groups of the Formula (IB'):

$$-E^1-D^1 \qquad \text{(IB')}$$

wherein D^1 is aryl, heteroaryl or heterocyclyl and E^1 is a bond, C_{1-6}alkylene, oxyC_{1-6}alkylene, oxy, imino, *N*-(C_{1-6}alkyl)imino, iminoC_{1-6}alkylene, *N*-(C_{1-6}alkyl)-iminoC_{1-6}alkylene, C_{1-6}alkylene-oxyC_{1-6}alkylene, C_{1-6}alkylene-iminoC_{1-6}alkylene, C_{1-6}alkylene-*N*-(C_{1-6}alkyl)-iminoC_{1-6}alkylene, -NHC(O)-, -NHSO$_2$-, -SO$_2$NH- or -NHC(O)-C_{1-6}alkylene-,

and any aryl, heteroaryl or heterocyclyl group in a substituent on R^4 may be optionally substituted with one or more groups selected from hydroxy, halo, C_{1-6}alkyl, C_{1-6}alkoxy, carboxy, C_{1-6}alkoxycarbonyl, carbamoyl, *N*-C_{1-6}alkylcarbamoyl, *N*-(C_{1-6}alkyl)$_2$carbamoyl, C_{2-6}alkanoyl, amino, *N*-C_{1-6}alkylamino and *N*,*N*-(C_{1-6}alkyl)$_2$amino,

and any C_{3-7}cycloalkyl or heterocyclyl group in a R^4 group may be optionally substituted with one or two oxo or thioxo substituents,

and any of the R^4 groups defined hereinbefore which comprises a CH_2 group which is attached to 2 carbon atoms or a CH_3 group which is attached to a carbon atom may optionally bear on each said CH_2 or CH_3 group a substituent selected from hydroxy, amino, C_{1-6}alkoxy, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino and heterocyclyl;

R^5 is hydrogen, halo, trifluoromethyl, cyano, nitro, amino, hydroxy, C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}alkoxy, *N*-C_{1-6}alkylamino or *N*,*N*-(C_{1-6}alkyl)$_2$amino;

q is 0, 1, 2, 3 or 4;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof;

with the proviso that 7-amino-4-(3-acetamidoanilino)pyrido[4,3-*d*]pyrimidine is excluded.

2. A bicylic compound of the Formula (I) according to claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is furopyrimidinyl, thienopyrimidinyl, pyrrolopyrimidinyl, oxazolopyrimidinyl, thiazolopyrimidinyl, purinyl, pyridopyrimidinyl, pyrimidopyrimidinyl or pteridinyl;

m is 0 or m is 1 and each R^1 is independently hydroxy, halo, C_{1-6}alkyl, C_{1-6}alkoxy, C_{1-6}alkylS(O)$_n$- (wherein n is 0-2), *N*,*N*-(C_{1-6}alkyl)$_2$aminoC_{1-6}alkyl, *N*,*N*-(C_{1-6}alkyl)$_2$carbamoylC_{1-6}alkoxy, *N*,*N*-(C_{1-6}alkyl)$_2$aminoC_{1-6}alkoxy, C_{1-6}alkylS(O)$_2$-C_{1-6}alkoxy, *N*,*N*-(C_{1-6}alkyl)$_2$amino-*N*-(C_{1-6}alkyl)C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$aminoC_{1-6}alkylaminoC_{1-6}alkyl, piperidin-1-ylC_{1-6}alkyl, homopiperidin-1-ylC_{1-6}alkyl, *N*-(C_{1-6}alkyl)piperidin-1-ylC_{1-6}alkyl, *N*-(C_{1-6}alkyl)homopiperidin-1-ylC_{1-6}alkyl, piperazin-1-ylC_{1-6}alkyl, 4-C_{1-6}alkylpiperazin-1-ylC_{1-6}alkyl, homopiperazinyl-1-ylC_{1-6}alkyl, 4-C_{1-6}alkylhomopiperazinyl-1-ylC_{1-6}alkyl, pyrrolidinylC_{1-6}alkoxy, piperidinylC_{1-6}alkoxy, homopiperidinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)pyrrolidinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)piperidinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)homopiperidinylC_{1-6}alkoxy, morpholinylC_{1-6}alkoxy, piperazinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)piperazinylC_{1-6}alkoxy, homopiperazinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)homopiperazinylC_{1-6}alkoxy, pyrrolidinyloxy, *N*-(C_{1-6}alkyl)pyrrolidinyloxy, piperidinyloxy, *N*-(C_{1-6}alkyl)piperidinyloxy, homopiperidinyloxy, *N*-(C_{1-6}alkyl)homopiperidinyloxy, morpholinylC_{1-6}alkylaminoC_{1-6}alkyl, thiazolylC_{1-6}alkoxy or pyridylC_{1-6}alkoxy;

R^2 is hydrogen, C_{1-4}alkyl or halo;

R^3 is hydrogen, C_{1-4}alkyl or halo;

q is 0;

R^4 is phenyl, thienyl, furyl, oxazolyl, isoxazolyl, pyrimidyl or pyridyl optionally substituted by one or two halo, trifluoromethyl, cyano, C_{1-4}alkyl, C_{1-4}alkoxy, -O-(C_{1-3}alkyl)-O-, *N*,*N*-(C_{1-4}alkyl)$_2$amino, C_{1-6}alkanoylamino, C_{1-6}alkylsulphonyl-*N*-(C_{1-6}alkyl)amino, phenyl (optionally substituted by one or two halo groups), furyl, azetidinyl, pyrrolidinyl, 3-pyrrolinyl, piperidino, homopiperidinyl, morpholino, piperazinyl, homopiperazinyl, *N*-(C_{1-6}alkyl)piperazinyl and *N*-(C_{1-6}alkyl)homopiperazinyl, or R^4 is fluorenyl or dibenzofuranyl; and

R^5 is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

3. A bicyclic compound of the Formula (I) according to claim 1 wherein:
the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is furopyrimidinyl, thienopyrimidinyl, pyrrolopyrimidinyl, oxazolopyrimidinyl, thiazolopyrimidinyl, purinyl, pyridopyrimidinyl, pyrimidopyrimidinyl or pteridinyl;
m is 0 or m is 1 and each R^1 is independently hydroxy, halo, C_{1-6}alkyl, C_{1-6}alkoxy, C_{1-6}alkylS(O)$_n$- (wherein n is 0-2), *N*,*N*-(C_{1-6}alkyl)$_2$aminoC_{1-6}alkyl, *N*,*N*-(C_{1-6}alkyl)$_2$carbamoylC_{1-6}alkoxy, *N*,*N*-(C_{1-6}alkyl)$_2$aminoC_{1-6}alkoxy, C_{1-6}alkylS(O)$_2$-C_{1-6}alkoxy, *N*,*N*-(C_{1-6}alkyl)$_2$amino-*N*-(C_{1-6}alkyl)C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$aminoC_{1-6}alkylaminoC_{1-6}alkyl, piperazin-1-ylC_{1-6}alkyl, 4-C_{1-6}alkylpiperazin-1-ylC_{1-6}alkyl, homopiperazinyl-1-ylC_{1-6}alkyl, 4-C_{1-6}alkylhomopiperazinyl-1-ylC_{1-6}alkyl, pyrrolidinylC_{1-6}alkoxy, piperidinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)pyrrolidinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)piperidinylC_{1-6}alkoxy,morpholinylC_{1-6}alkoxy, piperazinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)piperazinylC_{1-6}alkoxy, homopiperazinylC_{1-6}alkoxy, *N*-(C_{1-6}alkyl)homopiperazinylC_{1-6}alkoxy, pyrrolidinyloxy, piperidinyloxy, morpholinylC_{1-6}alkylaminoC_{1-6}alkyl or pyridylC_{1-6}alkoxy;
R^2 is hydrogen, C_{1-4}alkyl or halo;
R^3 is hydrogen, C_{1-4}alkyl or halo;
q is 0;
R^4 is phenyl, thienyl, furyl, oxazolyl, isoxazolyl, pyrimidyl or pyridyl optionally substituted by one or two halo, cyano, C_{1-4}alkyl, C_{1-4}alkoxy, *N*,*N*-(C_{1-4}alkyl)$_2$amino, piperidinyl, morpholino or piperazinyl; and
R^5 is hydrogen;
or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

4. A bicyclic compound of the Formula (I) wherein:
the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is furo[3,2-*d*]pyrimidinyl, furo[2,3-*d*]pyrimidinyl, thieno[3,2-*d*]pyrimidinyl, thieno[2,3-*d*]pyrimidinyl, pyrrolo[3,2-*d*]pyrimidinyl, pyrrolo[2,3-*d*]pyrimidinyl, oxazolo[5,4-*d*]pyrimidinyl, oxazolo[4,5-*d*]pyrimidinyl, thiazolo[5,4-*d*]pyrimidinyl, thiazolo[4,5-*d*]pyrimidinyl, purinyl,

pyrido[2,3-*d*]pyrimidinyl, pyrido[3,4-*d*]pyrimidinyl, pyrido[4,3-*d*]pyrimidinyl, pyrido[3,2-*d*]pyrimidinyl, pyrimido[4,5-*d*]pyrimidinyl, pyrimido[5,6-*d*]pyrimidinyl or pteridinyl;

m is 0 or m is 1 and each R^1 is independently methyl, methoxy, methylthio, 2-diisopropylaminoethoxy, 3-diethylaminopropoxy, 3-morpholinopropoxy or 3-pyrrolidin-1-ylpropoxy;

R^2 is hydrogen, methyl, fluoro or chloro;

R^3 is hydrogen;

q is 0;

R^4 is phenyl optionally substituted by one or two groups selected from fluoro, chloro, trifluoromethyl, cyano, methyl, methoxy, ethoxy, methylenedioxy, *N*,*N*-dimethylamino, acetamido, *N*-methylmethanesulphonamido, phenyl, 4-fluorophenyl, 4-chlorophenyl, 2-furyl, azetidin-1-yl, pyrrolidin-1-yl, 3-pyrrolin-1-yl, piperidino, homopiperidin-1-yl, morpholino, piperazin-1-yl, homopiperazin-1-yl, 4-methylpiperazin-1-yl and 4-methylhomopiperazin-1-yl, or R^4 is pyridyl optionally substituted by a *N*,*N*-dimethylamino, *N*,*N*-diethylamino, azetidin-1-yl, pyrrolidin-1-yl, 3-pyrrolin-1-yl, piperidino, homopiperidin-1-yl, morpholino, piperazin-1-yl, homopiperazin-1-yl, 4-methylpiperazin-1-yl or 4-methylhomopiperazin-1-yl group, or R^4 is 1-fluorenyl or dibenzofuran-4-yl; and

R^5 is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

5. A bicyclic compound of the Formula (I) according to claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is furo[3,2-*d*]pyrimidinyl, furo[2,3-*d*]pyrimidinyl, thieno[3,2-*d*]pyrimidinyl, thieno[2,3-*d*]pyrimidinyl, pyrrolo[3,2-*d*]pyrimidinyl, pyrrolo[2,3-*d*]pyrimidinyl, oxazolo[5,4-*d*]pyrimidinyl, oxazolo[4,5-*d*]pyrimidinyl, thiazolo[5,4-*d*]pyrimidinyl, thiazolo[4,5-*d*]pyrimidinyl, purinyl, pyrido[2,3-*d*]pyrimidinyl, pyrido[3,4-*d*]pyrimidinyl, pyrido[4,3-*d*]pyrimidinyl, pyrido[3,2-*d*]pyrimidinyl, pyrimido[4,5-*d*]pyrimidinyl, pyrimido[5,6-*d*]pyrimidinyl or pteridinyl;

m is 0 or m is 1 and each R^1 is independently methyl, methoxy, methylthio, 2-diisopropylaminoethoxy, 3-diethylaminopropoxy, 3-morpholinopropoxy or 3-pyrrolidin-1-ylpropoxy;

R^2 is hydrogen, methyl, fluoro or chloro;

R^3 is hydrogen;

q is 0;

R^4 is pyridyl optionally substituted by a *N*,*N*-dimethylamino, *N*,*N*-diethylamino, pyrrolidin-1-yl, piperidino or morpholino group; and

R^5 is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

6. A bicyclic compound of the Formula (I) according to Claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is thieno[3,2-*d*]pyrimidin-4-yl, thieno[2,3-*d*]pyrimidin-4-yl, thiazolo[5,4-*d*]pyrimidin-7-yl, 6-purinyl, pyrido[2,3-*d*]pyrimidin-4-yl, pyrido[3,4-*d*]pyrimidin-4-yl, pyrido[4,3-*d*]pyrimidin-4-yl, pyrido[3,2-*d*]pyrimidin-4-yl or pteridin-4-yl;

m is 0 or m is 1 and R^1 is methyl or methylthio;

R^2 is methyl;

R^3 is hydrogen;

q is 0;

R^4 is phenyl, 3-fluorophenyl, 4-cyanophenyl, 2-methylphenyl, 2-methoxyphenyl, 3-methoxyphenyl, 3-ethoxyphenyl, 3,4-dimethoxyphenyl, 3,4-methylenedioxyphenyl, 3-(*N*,*N*-dimethylamino)phenyl, 3-acetamidophenyl, 3-(4-fluorophenyl)phenyl, 3-(2-furyl)phenyl, 3-pyrrolidin-1-ylphenyl, 3-morpholinophenyl, 3-fluoro-5-pyrrolidin-1-ylphenyl, 3-fluoro-5-piperidinophenyl, 3-fluoro-5-morpholinophenyl or 3-morpholino-5-trifluoromethylphenyl, or R^4 is 2-morpholinopyrid-4-yl, or R^4 is 1-fluorenyl or dibenzofuran-4-yl; and

R^5 is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

7. A bicyclic compound of the Formula (I) according to claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is thieno[3,2-*d*]pyrimidin-4-yl, thieno[2,3-*d*]pyrimidin-4-yl, thiazolo[5,4-*d*]pyrimidin-7-yl, pyrido[2,3-*d*]pyrimidin-4-yl, pyrido[3,4-*d*]pyrimidin-4-yl, pyrido[4,3-*d*]pyrimidin-4-yl, pyrido[3,2-*d*]pyrimidin-4-yl or pteridin-4-yl;

m is 0 or m is 1 and R^1 is methyl or methylthio;

R^2 is methyl;

R^3 is hydrogen;

q is 0;

R^4 is 2-morpholinopyrid-4-yl; and

R^5 is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

8. A bicyclic compound of the Formula (I) according to claim 1 selected from :-

4-[2-methyl-5-(2-morpholinopyridine-4-carboxamido)anilino]thieno[3,2-*d*]pyrimidine,

4-[2-methyl-5-(2-morpholinopyridine-4-carboxamido)anilino]pyrido[4,3-*d*]pyrimidine,

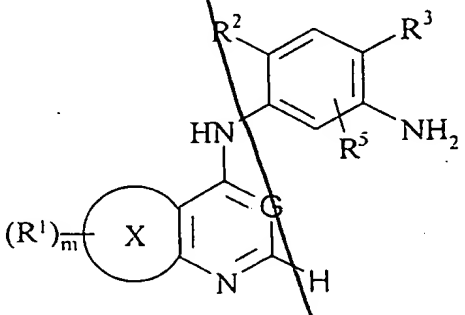
4-[2-methyl-5-(2-morpholinopyridine-4-carboxamido)anilino]pteridine and

6-[2-methyl-5-(2-morpholinopyridine-4-carboxamido)anilino]purine;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

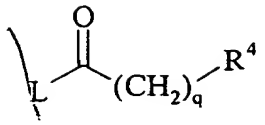
9. A process for preparing a compound of the Formula (I), or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof, according to claim 1 which comprises:

a) reacting an aniline of the Formula (II):



(II)

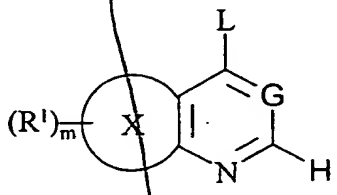
with an acyl compound of the Formula (III):



(III)

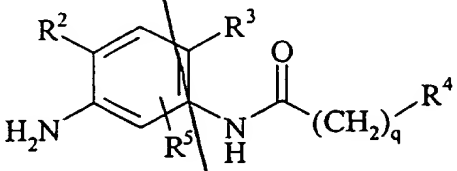
wherein G, R^1, R^2, R^3, R^4, R^5, ring X, m and q are as defined in claim 1 and L is a displaceable group;

b) reacting an activated bicyclic heteroaryl ring of the Formula (IV):



(IV)

wherein G, R^1, ring X and m are as defined in claim 1 and wherein L is a displaceable group, with an aniline of the Formula (V):



(V)

wherein R^2, R^3, R^4, R^5 and q are as defined in claim 1;

or c) for the preparation of a compound of the Formula (I) wherein R^1 or a substituent on R^4 is C_{1-6}alkoxy or substituted C_{1-6}alkoxy, C_{1-6}alkylS-, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino or substituted C_{1-6}alkylamino, the alkylation, conveniently in the presence of a suitable base, of a compound of the Formula (I) wherein R^1 or a substituent on R^4 is hydroxy, mercapto or amino as appropriate;

and thereafter if necessary:

i) converting a compound of the Formula (I) into another compound of the Formula (I);

ii) removing any protecting groups; and

iii) forming a pharmaceutically acceptable salt or *in vivo* cleavable ester.

10. A pharmaceutical composition which comprises a bicyclic compound of the Formula (I), or a pharmaceutically acceptable salt or *in vivo* cleavable ester thereof, according to claim 1 in association with a pharmaceutically acceptable diluent or carrier.

11. The use of a bicyclic compound of the Formula (I), or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof, according to claim 1 or the use of the compound 7-amino-4-(3-acetamidoanilino)pyrido[4,3-*d*]pyrimidine in the manufacture of a medicament for use in the treatment of diseases or medical conditions mediated by cytokines.

12. A method of of treating diseases or medical conditions mediated by cytokines which comprises administering to a warm-blooded animal an effective amount of a bicyclic compound of the Formula (I), or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof, according to claim 1 or of the compound 7-amino-4-(3-acetamidoanilino)pyrido[4,3-*d*]pyrimidine.

Sub B3

Add B4